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METHOD OF CASTING POLYETHYLENE TEREPHTHALATE

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Abstract of JP62152715

PURPOSE: To obtain a high quality cast film which can be stably cast at high speed and has no surface imperfections and little thickness nonuniformity, by a method wherein the amounts of metallic compound and of phosphorous compound, both of which are added to polyethylene terephthalate, are optimized and, in addition, the specified amount of organic polysiloxane is brought into existence along with said compounds. **CONSTITUTION:** In a method for quenchingly solidifying a sheet, in the form of which molten polyethylene terephthalate resin is extruded through a slit-shaped mouthpiece, by bringing the sheet into close contact with the surface of a moving cooling body while giving the sheet electrostatic charge, metallic compound (M) selected from Zn, Mg, Mn and Co and phosphoric acid compound (P) selected from phosphoric acid, phosphorous acid, phosphonic acid and ester phosphonate are added in advance to the polyethylene terephthalate in order to obtain a polyethylene terephthalate sheet excellent in heat resistance and surface characteristics. In addition, the content of (M) is 20-1,000ppm and that of (P) is 2-1,000ppm with respect to the cast sheet of polyethylene terephthalate. The content of (P) lies within the range, in which the (M/P) value is 0.8-5 and preferably 1.2-3.

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